CREATIVE

Sound BLASTER TACTIC 3D ALPHA / SIGMA

# User's Guide

## Model No.: GH0120 / GH0140

# Congratulations!

Experience the next phase of gaming audio evolution with the Sound Blaster® Tactic$^{3D}$ Alpha and Sound Blaster® Tactic$^{3D}$ Sigma gaming headsets! Acoustically optimized and evolved to match up with today and tomorrow's 3D gaming systems, the Sound Blaster Tactic$^{3D}$ Alpha and Sound Blaster Tactic$^{3D}$ Sigma are equipped with SBX Pro Studio™ technology designed by the legendary sound engineering teams at Creative Labs.

# System Requirements

## Minimum Requirements

- 600 MB of free hard disk space
- Available USB 1.1 or 2.0 port
- Internet connection to download drivers and applications available for this product

For Windows

- Microsoft® Windows® 8 32-bit or 64-bit, Windows 7 32-bit or 64-bit, Windows Vista® 32-bit or 64-bit with Service Pack 1 or higher, Windows XP Professional x64 Edition or Windows XP with Service Pack 2 or higher
- Intel® Pentium® 4 or AMD® equivalent processor, 1.6 GHz or faster
- Intel, AMD or 100% compatible motherboard chipset
- 512 MB RAM

For Mac

- Mac OS® X 10.5.8 or higher
- Intel Core™ Duo processor, 1.6 GHz or faster
- 1 GB RAM

## Recommended Requirements

For Windows

- Intel Core 2 Duo or AMD equivalent processor, 2.0 GHz or faster
- 1 GB RAM

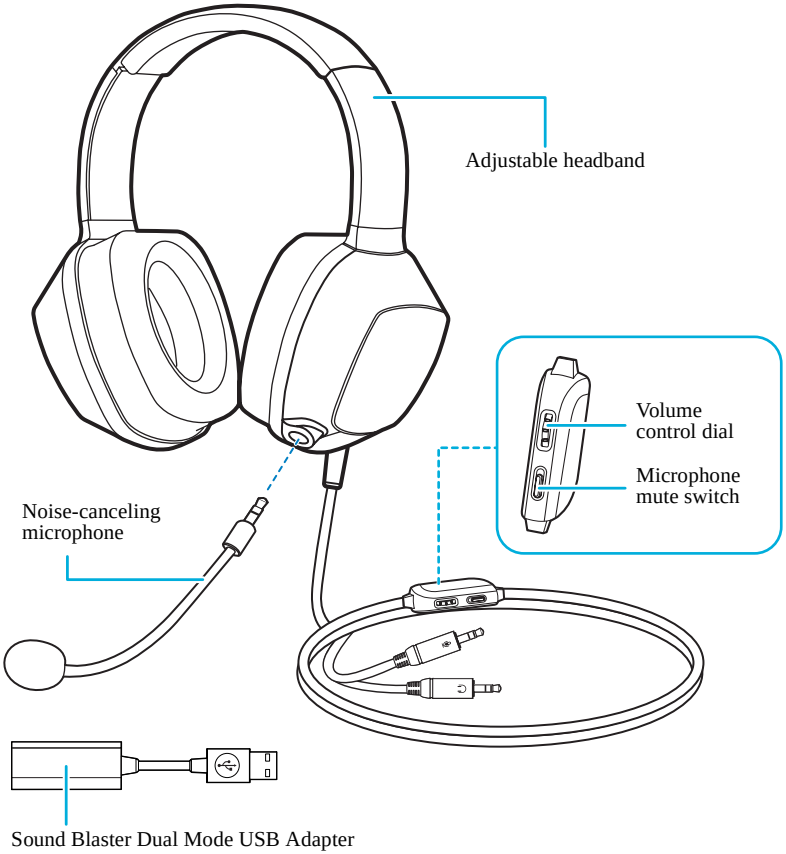
For Mac

- Intel Core Duo processor 1.8 GHz or faster
- 2 GB RAM

NOTE Due to programming changes, the recommended system requirements for the software may change over time.

# About Your Headset

## Sound Blaster Tactic$^{3D}$ Gaming Headset



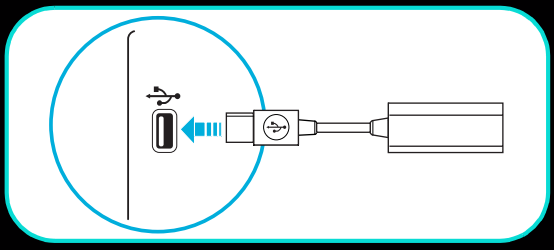
# Setting Up Your Headset

Before using your headset, you should install the drivers and applications for it by following the steps below. This lets you enjoy the full features of your headset such as SBX Pro Studio audio enhancements and VoiceFX voice morphing technology.

## Step 1: Download the software

Visit www.soundblaster.com/Tactic3D to download the latest drivers and applications available for your headset.

## Step 2: Connect the Sound Blaster Dual Mode USB Adapter to your computer's USB port



NOTE If prompted for the audio drivers, click the Cancel button.

## Step 3: Install the software

### For all supported Windows OS

1. Navigate to the folder where you have downloaded the software.
2. Double-click the downloaded file.
3. To complete the installation, follow the instructions on the screen.
4. When prompted, restart your computer.

You can launch the application by clicking Start ► Programs or All Programs ► Creative ► Sound Blaster Tactic(3D) headset ► Sound Blaster Tactic(3D) Control Panel

### For Mac OS

1. Double-click the downloaded file to uncompress it.
2. Double-click the uncompressed DMG file.
3. Double-click the Install icon.
4. To complete the installation, follow the instructions on the screen.

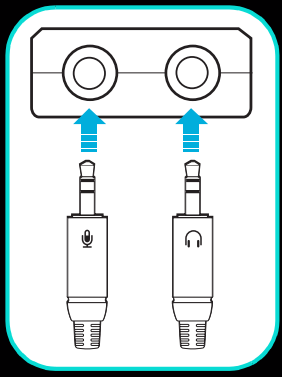
You can launch the Sound Blaster Tactic(3D) Control Panel from the Applications folder.

## Step 4: Set the default audio device (For Mac OS only)

1. Go to System Preferences, then click Sound.
2. Click the Output tab, then select Sound Blaster Tactic(3D) headset.
3. Click the Input tab, then select Sound Blaster Tactic(3D) headset.

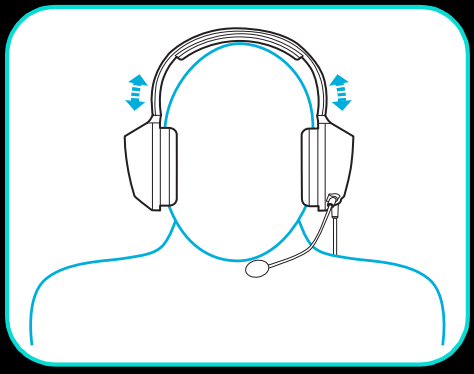
# Using Your Headset

## Connect the headset to the Sound Blaster Dual Mode USB Adapter



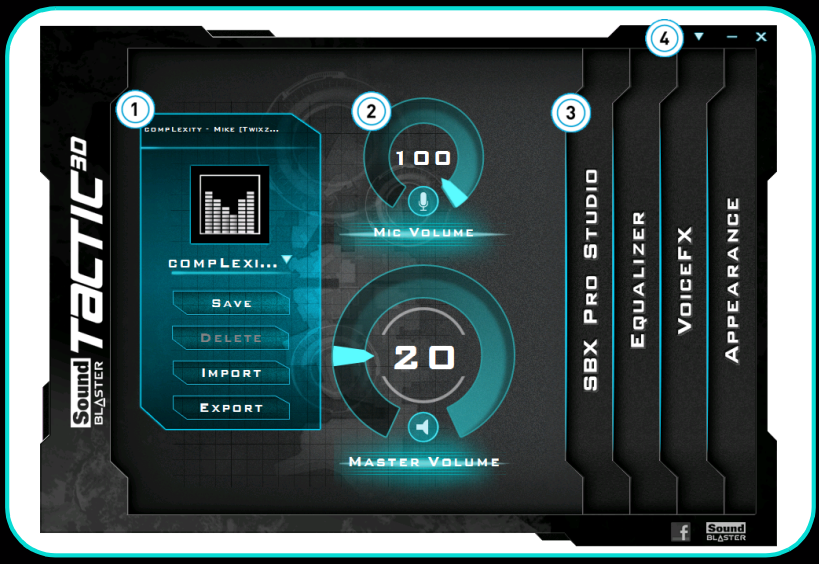
## Put on the headset

Adjust the headband so that the headset rests lightly on your head. Do not tighten excessively.



CAUTION Adjust headset volume to a comfortable level. Do not listen to audio on your headset at high volumes for prolonged periods of time as hearing loss might result.

# Sound Blaster Tactic3D Control Panel



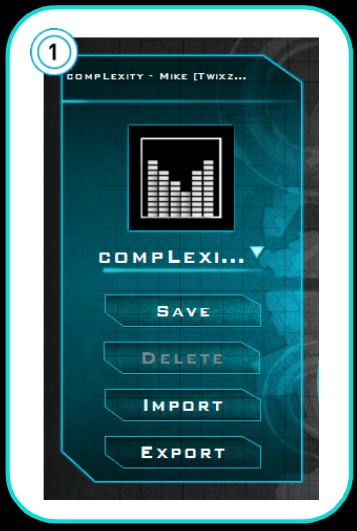

Managing your TacticProfiles

Activate a profile by clicking ▼ and selecting it from the list.

Click Save to save all settings to the current profile or create a new profile. Click Delete to delete the active profile.

Customizing your avatar

You can customize the avatar for each profile by clicking the portrait and selecting another one from the list.




Sharing TacticProfiles

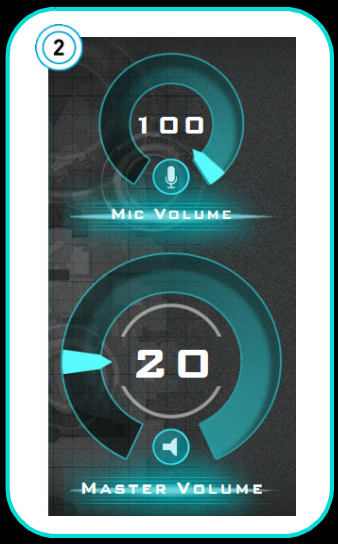
You can export your custom settings and share them with others, or import other gamers' custom settings.

NOTE • TacticProfiles for Windows and Mac are not compatible with each other.

Adjusting your volume settings

Drag the headset or microphone volume marker to adjust the volume level.

You can mute/unmute the headset or microphone by clicking their respective icon.



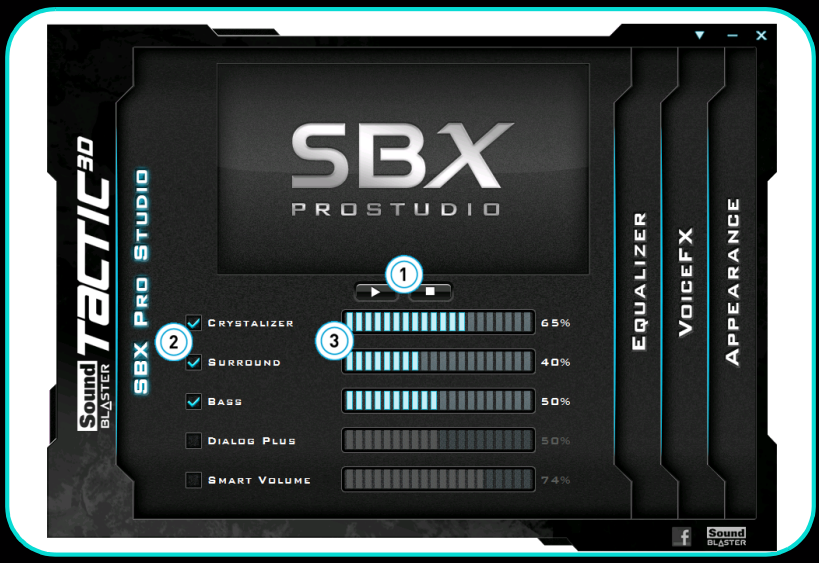

Configuring your software settings

Click each feature to access its settings page. More information on each feature can be found in their respective sections in this manual.

Configuring your general settings

You can change the language settings or restore settings to their default values. Click ▼ and select the option from the list.

## SBX Pro Studio Settings




1 Audio Test controls
Play/Pause or Stop the demo video.

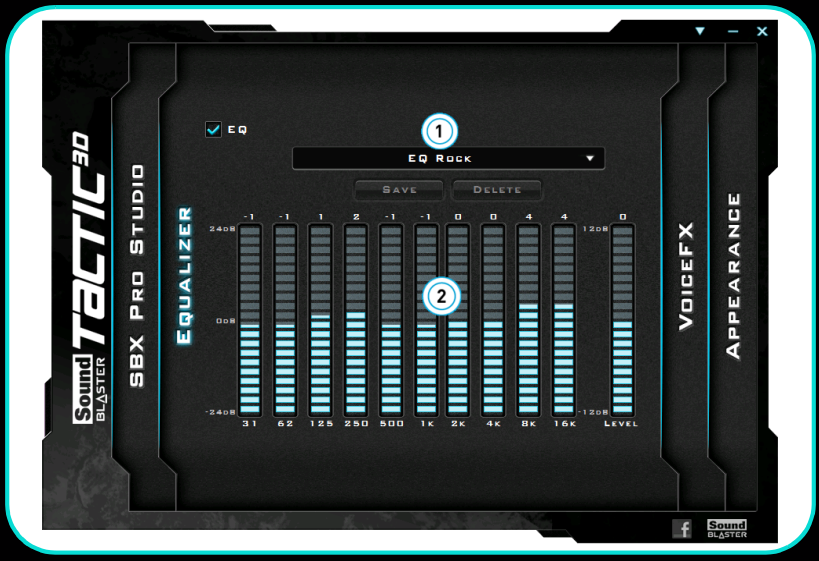
2 SBX Pro Studio enhancements
Select to enable or disable each enhancement.

3 Enhancement Level slider
Adjust the amount of enhancement to apply.

### Enhancing your audio experience

You can adjust the amount to apply for each enhancement by dragging its slider left to decrease or right to increase. To test the effects of the audio enhancements, click ▶ and listen to the demo video.

# Equalizer Settings




1 EQ presets
Select an equalizer preset to apply to your audio.

2 EQ sliders
Adjust the equalizer settings.

## Customizing your EQ settings

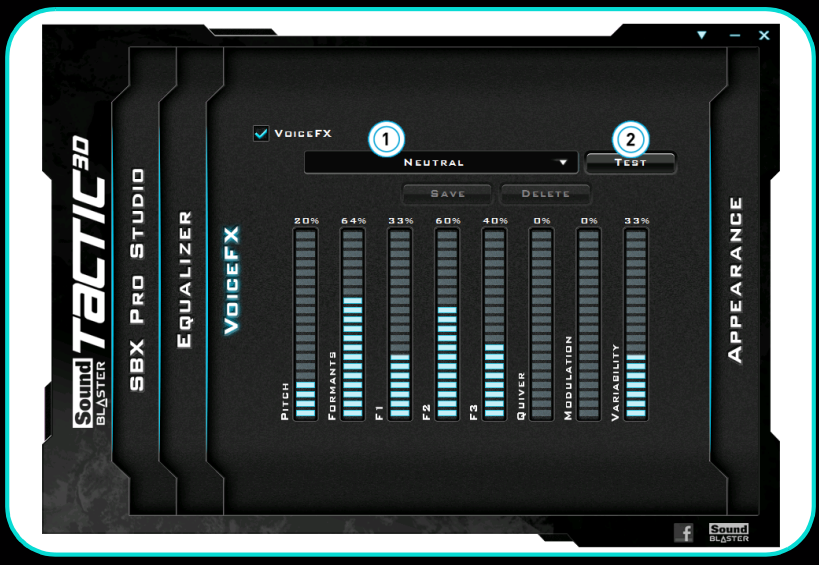
Select the EQ checkbox to enable this feature, then click the EQ drop-down arrow and select a preset from the list.

Selecting a preset will move the EQ sliders to the appropriate values. You can adjust the equalizer setting by dragging the sliders up or down to the desired level.

You can save your custom settings as new presets or delete existing ones.

NOTE The list of default EQ presets cannot be deleted.

# VoiceFX Settings




1 VoiceFX presets
Select a VoiceFX preset to apply to your voice input.

2 VoiceFX audio test
Listen to your voice with the selected VoiceFX preset applied.

## Customizing your VoiceFX settings

Select the VoiceFX checkbox to enable this feature, then click the VoiceFX drop-down arrow and select a preset from the list.

Click

to listen to how your voice will sound with the selected VoiceFX preset applied.

## Appearance Settings

1 Color selector
Select a highlight color for the software user interface.

### Choosing a color

Click on the color that you want to use as the highlight.

# Using Your Headset

## Playing Games

Your headset is equipped with cutting edge audio technologies and software to enhance the audio in your games. SBX Pro Studio will elevate your gaming experience to the next level, allowing you to hear sound details in games you have never heard before!

SBX Pro Studio Surround provides immersion control of sounds not just around you, but also above and below for a full 3D audio experience. Hear the natural sense of audio depth, spaciousness and stunning 3D surround effects from your audio content. Enjoy an unbelievably true-to-life audio experience, whether it's over stereo speakers or headphones.

SBX Pro Studio Crystalizer restores the dynamic range that is lost when iTunes and MP3 music gets compressed. This makes the music sound as good as the artist originally intended, and adds an enhanced level of realism for movies and games.

SBX Pro Studio Bass fills in the low frequency tones and gives the extra impact for a better entertainment experience. It dramatically improves the sound experience without a subwoofer.

SBX Pro Studio Dialog Plus enhances the voices in movies for clearer dialog, allowing the listener to hear the dialog over the rest of the soundtrack and over ambient noise in the listening environment.

SBX Pro Studio Smart Volume addresses the problem of abrupt volume level changes during playback and between songs by automatically and continuously measuring volume, and intelligently applying gain and attenuation to compensate for those changes.

## Communicating with Voice over Internet Protocol (VoIP)

Use the headset to enjoy outstanding acoustic performance in popular VoIP applications like Ventrilo® and TeamSpeak®. Hear and be heard clearly by teammates during multiplayer games to get the tactical edge.

## Configuring Creative ALchemy

When playing DirectSound®3D games on Windows 8, Windows 7 and Windows Vista, the game loses its immersiveness and environmental effects due to changes in audio architecture.

To restore these effects and experience the full audio immersion, follow the steps below:

### Enable Windows XP compatibility mode

1. Navigate to the folder where you have installed the game.
2. Right-click on the game's launcher and select Properties.
3. Select the Compatibility tab and select the Compatibility Mode checkbox.
4. Click the Compatibility Mode drop-down arrow and Select Windows XP (Service Pack 2), then click OK.

### Enable the game in Creative ALchemy

1. Click Start ▶ Programs or All Programs ▶ Creative ▶ ALchemy ▶ Creative ALchemy. The game should be detected automatically and appear in the left column.
2. Select the game and click to move it to the right column.
3. Close the application.

When you launch the game you should hear the original effects.

NOTE If the game is not detected, do the following:

- Navigate to the folder where you have installed the game.
- Right-click on the game's launcher and select Run as administrator.
- Exit the application and launch Creative ALchemy again. The game should now appear in the left column.

# Software Suite

Visit www.soundblaster.com/Tactic3D to download the latest drivers and applications available for your headset.

The following applications are designed for you to access the basic as well as the advanced features of your headset.

## Creative Software Suite

For PC:

- Sound Blaster Tactic$^{3D}$ Control Panel
- Creative ALchemy
- Creative System Information

For Mac:

- Sound Blaster Tactic$^{3D}$ Control Panel

NOTE
- The applications available for your headset may differ from those listed here.
- Some applications are available for certain operating systems only.

# General Specifications

## Connectivity

- One 3.5 mm (1/8”) stereo jack on left ear cup for connecting the detachable microphone
- USB Input: 5V ⎓ 500mA

## Interfaces

- One Sound Blaster Dual Mode USB Adapter
- One 3.5 mm (1/8”) stereo plug for audio
- One 3.5 mm (1/8”) stereo plug for voice input

## SBX Pro Studio Technology

- SBX Pro Studio Crystalizer
- SBX Pro Studio Surround
- SBX Pro Studio Bass
- SBX Pro Studio Dialog Plus
- SBX Pro Studio Smart Volume

# Troubleshooting

## Problems with Multiple Audio Devices

### The onboard audio chipset seems to be in conflict with Sound Blaster Tactic$^{3D}$.

Disable your computer's onboard audio chipset. See your computer's motherboard documentation for details

## Problems with Sound

### No sound from the headset.

Check the following:

- The volume settings in Sound Blaster Tactic$^{3D}$ Control Panel and system audio are properly adjusted and not muted.
- There is no hardware conflict between the headset and a peripheral device.

### There is clipping/distortion during audio playback.

Check the following:

- Your computer system should be running in high performance mode. You may need to disable any power saving features.

## Problems with SBX Pro Studio

### Some features are disabled when playing certain games.

When playing games that use DirectSound3D or OpenAL sound engines, certain audio features will be disabled automatically. This is to avoid distorting the environmental audio cues present in the game. These features will be re-enabled automatically when you exit the game.

# Safety Information

Refer to the following information to use your product safely, and to reduce the chance of electric shock, short-circuiting, damage, fire, hearing impairment or other hazards. Improper handling may void the warranty for your product. For more information, read the warranty available with your product.

- Do not dismantle or attempt to repair your product.
  **Refer all servicing to authorized repair agents.**
- Do not expose your product to temperatures outside the range of 0°C to 45°C (32°F to 113°F).
- Do not pierce, crush or set fire to your product.
- Keep your product away from strong magnetic objects.
- Do not subject your product to excessive force or impact.
- Do not expose your product to water or moisture.
  If your product is moisture-resistant, take care not to immerse your product in water or expose it to rain.

**Earphones**

- When a conductive apparatus, such as earphones, is used in close proximity with a CRT television or CRT monitor, the latter may emit an electrostatic discharge. The electrostatic discharge can be felt as a static shock. While this static shock is usually harmless, it is good practice to avoid close contact with CRT devices when using earphones.
- Do not listen to audio on your earbuds or headphones at high volume for prolonged periods of time as hearing loss may result. For users in the United States, go to www.hei.org for more information.
- Do not listen to your audio device at high volume when driving, cycling or crossing the road, especially in heavy traffic, or in any other traffic condition where such use will hinder safe travel on the roads. We recommend that consumers be extremely cautious when using this device on the road.

**Avoid Hearing Damage**

Permanent hearing loss may occur if the headphone is used at high volume. Set the volume to a safe level. You can adapt over time to a higher volume of sound that may sound normal but can be damaging to your hearing. If you experience ringing in your ears or muffled speech, stop listening and have your hearing checked. The louder the volume, the less time is required before your hearing could be affected. Hearing experts suggest that to protect your hearing:

- Limit the amount of time you use the headphone at high volume.
- Avoid turning up the volume to block out noisy surroundings.
- Turn the volume down if you can't hear people speaking near you.

## IMPORTANT — A LIRE AVEC ATTENTION

Ecouter de manière prolongée, à un très haut volume sonore de la musique (au dessus de 80 decibels), au moyen d'un casque ou d'écouteurs, peut entraîner une détérioration irreversible et définitive de vos facultés auditives. L'usage répété et habituel d'un casque ou d'écouteurs à un niveau de volume sonore trop élevé peut donner l'impression à l'utilisateur que le volume sonore émis par l'appareil n'est pas suffisant. L'utilisateur sera tenté d'augmenter, petit à petit, son réglage habituel, risquant ainsi d'atteindre un niveau dangereux pour ses oreilles. Afin de protéger votre santé, et vos oreilles, veillez à maintenir le volume de la sortie casque de votre appareil à un niveau adapté et à interrompre son utilisation régulièrement et particulièrement si des symptômes, comme des troubles de l'ouïe, se manifestent.

N'utilisez pas le casque ou les écouteurs pendant la conduite d'une voiture, d'une bicyclette ou de tout autre véhicule motorisé, afin d'éviter tout accident de le circulation. En outre, il est interdit dans certains pays d'utiliser un casque ou des écouteurs en conduisant. Il peut être également dangereux d'écouter à volume élevé tout en marchant, spécialement aux passages piétons. Soyez toujours extrêment prudent et cessez d'utiliser cet appareil dans les situations présentant des risques d'accident.

Evitez d'utiliser le casque ou les écouteurs à volume élevé. Les médecins spécialistes de l'audition déconseillent une écoute continue à volume trop élevé. Si vous percevez un sifflement dans les oreilles, réduisez le volume ou cessez l'écoute.

Maintenez un volume d'écoute modéré. Vous pourrez ainsi entendre les sons extérieurs et être attentif aux gens qui vous entourent.

Votre produit Creative accompagné des écouteurs fournis, est conforme à la règlementation française concernant les baladeurs musicaux (Arrêté du 24 Juillet 1998). Les caractéristiques techniques de ces écouteurs se trouvent dans le manuel en ligne et/ou sur le site internet de Creative. Si vous choisissez d'utiliser un autre casque ou d'autres écouteurs, veuillez vous assurer au préalable que leurs caractéristiques techniques soient les mêmes.

## срок эксплуатационной долговечности

В соответствии с законодательством Российской Федерации компания Creative устанавливает для данного товара срок службы 2 года. Указанный срок – это период времени, в течение которого компания Creative гарантирует возможность использования продукции в соответствии с ее назначением. Кроме того, во время этого срока компания Creative гарантирует:

(i) безопасность товара, (ii) возможность выполнения его ремонта и получения технической поддержки, (iii) поставку запасных частей. Однако установление срока службы не означает автоматического бесплатного предоставления технической поддержки и обслуживания. Эти виды услуг предоставляются бесплатно только в течение гарантийного периода в соответствии с гарантийными обязательствами.

# Declaration of Conformity

According to the FCC96 208 and ET95-19

| | |
|---|---|
| Manufacturer/Importer's Name: | Creative Labs, Inc. |
| Manufacturer/Importer's Address: | 1901 McCarthy Boulevard<br>Milpitas, CA. 95035<br>United States<br>Tel: (408) 428-6600 |

declares under its sole responsibility that the product

| | |
|---|---|
| Trade Name: | Creative Labs |
| Model Numbers: | GH0120A, GH0120B |

has been tested according to the FCC / CISPR22 requirement for Class B devices and found compliant with the following standards:

EMI/EMC: ANSI C63.4, FCC Part 15 Subpart B
Complies with Canadian ICES-003 Class B

This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:
This device may not cause harmful interference, and
This device must accept any interference received, including interference that may cause undesirable operation.

Ce matériel est conforme à la section 15 des régles FCC.
Son Fonctionnement est soumis aux deux conditions suivantes:
Le matériel ne peut étre source D'interférences et
Doit accepter toutes les interférences reques, Y compris celles pouvant provoquer un fonctionnement indésirable.

Compliance Manager
Creative Labs, Inc.
September 21, 2010

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| | |
|---|---|
| Trade Name: | Creative Labs |
| Model Numbers: | GH0140A, GH0140B |

has been tested according to the FCC / CISPR22 requirement for Class B devices and found compliant with the following standards:

EMI/EMC: ANSI C63.4, FCC Part 15 Subpart B
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Compliance Manager
Creative Labs, Inc.
October 12, 2010

# Regulatory Information

## Notice for the USA

FCC Part 15: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

CAUTION: To comply with the limits of the Class B digital device, pursuant to Part 15 of the FCC Rules, this device must be installed with computer equipment certified to comply with Class B limits.

All cables used to connect to the computer and peripherals must be shielded and grounded. Operation with non-certified computers or non-shielded cables may results in interference to radio or television reception.

MODIFICATION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the device.

## Notice for Canada

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

CANADIAN CLASS B STATEMENT: This digital device does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus," ICES-003 of the Department of Communications.

Cet appareil numerique respecte les limites de bruits radioelectriques applicables aux appareils numeriques de Class B prescrites dans la norme sur le materiel brouilleur. "Appareils Numeriques," NMB-003 edictee par le ministre des Communications.

MODIFICATION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the device.

Toute modification non approuvé explicitement par le fournisseur de licence de l'appareil peut entraîner l'annulation du droit de l'utilisateur à utiliser l'appareil.

## European Compliance

This product conforms to the following:

EMC Directive 2004/108/EC.

RoHS Directive 2011/65/EU.

Mains operated products for the European market comply with Low Voltage Directive 2006/95/EC and Commission Regulation(s) Implementing Directive (2009/125/EC)

Communication / RF wireless products for the European market comply with R&TTE Directive 1999/5/EC.

CAUTION: To comply with the Europe CE requirement, this device must be installed with CE certified computer equipment which meet with Class B limits.

All cables used to connect this device must be shielded, grounded and no longer than 3m in length. Operation with non-certified computers or incorrect cables may result in interference to other devices or undesired effects to the product.

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## European Compliance

Ce produit est conforme aux normes suivantes :
Directive 2004/108/CE sur les émissions électromagnétiques.
Directive RoHS 2011/65/UE.
Les produits secteur pour le marché européen sont conformes à la Directive sur la faible tension 2006/95/CE et à la réglementation de la Commission exécutant la Directive 2009/125/CE.
Les produits de communication/sans fil RF destinés au marché européen sont conformes à la directive R&TTE 1999/5/CE.
ATTENTION : pour respecter les critères CE d'Europe, cet appareil doit être installé avec du matériel informatique certifié CE respectant les limites de la classe B. Tous les câbles utilisés pour connecter cet appareil doivent être blindés, reliés à la terre et ne pas faire plus de 3 m de long. L'utilisation d'ordinateurs non certifiés ou de câbles inappropriés peut entraîner des interférences avec d'autres appareils ou des effets indésirables sur le produit.
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Questo prodotto è conforme alla seguente normativa:
Direttiva EMC 2004/108/CE.
Direttiva RoHS 2011/65/UE.
I prodotti che funzionano con corrente di rete per il mercato europeo sono conformi alla direttiva bassa tensione 2006/95/CE e alla direttiva di implementazione nelle normative europee 2009/125/CE.
I prodotti di comunicazione/wireless RF per il mercato europeo sono conformi alla Direttiva R&TTE 1999/5/CE.
ATTENZIONE: ai fini della conformità con i requisiti del marchio CE europeo, il dispositivo deve essere installato in un computer certificato CE conforme ai limiti di Classe B. Tutti i cavi usati per collegare il dispositivo devono essere schermati, dotati di idonea messa a terra e avere una lunghezza massima di 3 metri. L'uso del dispositivo con computer non certificati o cavi non idonei può provocare interferenze ad altri dispositivi nonché danneggiare il prodotto stesso.
MODIFICHE: eventuali modifiche o alterazioni non espressamente approvate da Creative Technology Limited o dalle sue società controllate possono rendere nulli la garanzia e il diritto dell'utente a utilizzare il prodotto.

## Einhaltung der europäischen Bestimmungen

Dieses Produkt erfüllt die folgenden Bestimmungen:
EMC-Richtlinie 2004/108/EG.
RoHS-richtlinie 2011/65/EU.
Netzbetriebene Produkte für den europäischen Markt erfüllen die Niederspannungsverordnung 2006/95/EG und der Commission Regulation(s) Implementing-Verordnung 2009/125/EG.
Drahtlose Kommunikationsgeräte/Funksender und -empfänger für den europäischen Markt erfüllen die R&TTE-Richtlinie 1999/5/EG.
ACHTUNG: Um die Anforderungen der europäischen CE-Norm zu erfüllen, muss dieses Produkt an einem CE-geprüften Computer der Klasse B angeschlossen werden.Alle Verbindungskabel zu diesem Gerät müssen abgeschirmt und geerdet sein und dürfen nicht länger als 3 m sein. Der Betrieb mit nicht zertifizierten Computern oder nicht ordnungsgemäßen Kabeln kann zu Störungen anderer Geräte oder unerwünschten Auswirkungen auf das Produkt führen.
MODIFIZIERUNG: Jegliche Änderung oder Modifizierung des Produkts, die nicht ausdrücklich von Creative Technology Limited oder einer der zugehörigen Firmen genehmigt worden ist, kann für den Benutzer zum Erlöschen der Garantie und der Gewährleistungsrechte führen.

## Homologación para Europa

Este producto cumple:
la Directiva de compatibilidad electromagnética 2004/108/CE.
Directiva RoHS 2011/65/UE.
Los productos funcionando con corriente electrica cumplen con la Directiva 2006/95/CE de baja tensión y con la implementación de los requisitos de la Comisión para la directiva 2009/125/CE.
Los productos inalámbricos de comunicación o frecuencias de radio para el mercado europeo cumplen la Directiva 1999/5/CE de equipos de radio y terminales de telecomunicaciones.
ATENCIÓN: para cumplir con los requisitos de Homologación para Europa, este dispositivo debe instalarse con un equipo informático con certificación CE que cumpla los límites de la Clase B. Todos los cables utilizados para conectar este dispositivo deben estar protegidos, conectados a tierra y no tener más de 3 m de longitud. El funcionamiento del dispositivo con equipos no certificados o cables incorrectos podría provocar interferencias a otros dispositivos o efectos no deseados al producto.
MODIFICACIÓN: los cambios o modificaciones no aprobados expresamente por Creative Technology Limited o una de sus empresas afiliadas podrían invalidar la garantía del usuario y los derechos de la garantía.

## Europese naleving

Dit product voldoet aan de volgende voorschriften:
EMC-richtlijn 2004/108/EG.
RoHS-richtlijn 2011/65/EU.
Electrische producten voor de Europese markt voldoen aan de Laagspanningsrichtlijn 2006/95/EG en EC and Verordening(en) voor uitvoering van Richtlijn 2009/125/EG.
Communicatie- of draadloze RF-producten voor de Europese markt voldoen aan de richtlijn R&TTE 1999/5/EG.
LET OP: Om te voldoen aan de Europese CE-norm, moet dit apparaat zijn geïnstalleerd in computerapparatuur die CE-gecertificeerd is voor de Klasse B-limieten. Alle kabels die worden gebruikt om dit apparaat aan te sluiten, moeten zijn afgeschermd en geaard, en mogen niet langer dan 3 meter zijn. Gebruik met niet-gecertificeerde computers of incorrecte kabels kan leiden tot interferentie van andere apparaten of ongewenste effecten op het product.
AANPASSING: Alle wijzigingen of modificaties die niet uitdrukkelijk zijn goedgekeurd door Creative Technology Limited of een van de gelieerde maatschappijen, kunnen ertoe leiden dat de rechten van de gebruiker met betrekking tot garantie en vrijwaring vervallen.

## Conformidade Europeia

Este produto está em conformidade com a seguinte regulamentação:
Directiva EMC 2004/108/EC.
Directiva RoHS 2011/65/UE.
Os produtos com ligação à rede destinados ao mercado europeu estão em conformidade com a directiva de baixa voltagem 2006/95/CE. Directiva de Implementação do(s) Regulamento(s) da Comissão 2009/125/CE.
Os produtos de comunicação/radiofrequência sem fios destinados ao mercado europeu estão em conformidade com a directiva R&TTE 1999/5/CE.
ATENÇÃO: De modo a cumprir com os requisitos da marca CE Europeia, este dispsotivo deve ser instalado com equipamento informático com certificação CE que cumpra com os limites de Classe B limits. Todos os cabos usados para ligar este dispositivo devem ser blindados, ligados à terra e não devem exceder os 3m de comprimento. O funcioanemnto com computadores não certificados ou cabos incorrectos pode resultar em interferências em outros dispositivos ou provocar efeitos indesejados no produto.

MODIFICAÇÃO: Quaisquer alterações ou modificações que não sejam expressamente aprovadas pela Creative Technology Limited ou por uma das suas afiliadas, pode anular a garantia do utilizador e os direitos inerentes à mesma.

## Europeisk efterlevnad

Denna produkt uppfyller följande:
EMC-direktivet 2004/108/EC.
RoHS Direktivet 2011/65/EU.
Produkter för den europeiska marknaden som drivs via elnätet uppfyller Lågspänningsdirektivet 2006/95/EC och Kommissionens regleringsimplementeringsdirektiv 2009/125/EG.
Trådlösa kommunikations/RF-produkter för den europeiska marknaden uppfyller R&TTE-direktivet 1999/5/EC.
VARNING: För att uppfylla CE-kraven i Europa måste denna produkt installeras med CE-certifierad datorutrustning som uppfyller gränsvärdena för klass B. Alla kablar som används för anslutning av denna produkt måste vara avskärmade, jordade och får inte vara längre än 3 m. Användning med icke certifierade datorer eller felaktiga kablar kan leda till interferens på annan utrustning eller oönskade effekter på produkten.
MODIFIERING: Alla förändringar och modifieringar som inte är uttryckligen tillåtna av Creative Technology limited eller något av dess filialföretag kan göra användarens garanti och garantirättigheter ogiltiga.

## Europeisk samsvar

Dette produktet er i samsvar med følgende:
EMC-direktivet 2004/108/EC.
RoHS-Direktivet 2011/65/EU.
Elektriske produkter til det europeiske markedet er i samsvar med Lavspenningsdirektivet 2006/95/EC og Økodesigndirektivet 2009/125/EC.
Kommunikasjon/RF trådløse produkter til det europeiske markedet er i samsvar med R&TTEdirektivet 1999/5/EC.
ADVARSEL: For å overholde det europeiske CE-kravet må denne enheten installeres med CEsertifisert datautstyr som tilfredsstiller klasse B-grensene. Alle kabler som kobles til enheten må være skjermet, jordet og ikke lenger enn 3 m i lengde. Bruk av ikke-sertifiserte datamaskiner eller feil kabler kan føre til forstyrrelse av andre enheter eller uønsket effekt på produktet.
MODIFIKASJON: Eventuelle endringer eller modifikasjoner som ikke uttrykkelig er godkjent av Creative Technology Limited eller et av dets tilknyttede selskaper, kan ugyldiggjøre garantien eller garantirettighetene.

## Overholdelse af Europæiske regler og standarder

Dette produkt overholder følgende:
EMC-direktivet 2004/108/EC.
RoHS-Direktivet 2011/65/EU.
Produkter til det Europæiske marked, skal ovberholde Lavspændingsdirektivet 2006/95/EC og Kommissionens forordninger for implementering af direktivet 2009/125/EF.
Kommunikations- / RF-trådløse produkter til det Europæiske overholder R&TTE-direktivet 1999/5/EC.
ADVARSEL: For at overholde Europe CE-kravet, skal denne enheden installeres med CE-certificeret computerudstyr, der opfylder klasse B-grænserne. Alle kabler der anvendes til at tilslutte enheden skal være skærmede, jordforbundne og ikke længere end 3 m lange. Drift med ikke-certificerede computere og ukorrekte kabler kan medføre interferens for andre enheder eller uønskede effekter på produktet.
MODIFIKATION: Enhver ændring eller modifikation, der ikke er udtrykkeligt godkendt af Creative

Technology Limited eller et associerede selskab, vil gøre brugerens garanti og garanterede rettigheder ugyldig.

## Eurooppalainen yhdenmukaisuus

Tämä tuote täyttää seuraavat tuotemääritykset:
TEMC-direktiivin 2004/108/EC.
RoHS-direktiivin 2011/65/EU.
Euroopan markkinoiden verkkovirtaa käyttävät tuotteet ovat matalajännitedirektiivin 2006/95/EY mukaisia. Euroopan parlamentin ja neuvoston ohjaava direktiivi 2009/125/EY.
Euroopan markkinoiden tietoliikenne- ja langattomat radiotaajuustuotteet noudattavat R&TTEdirektiiviä 1999/5/EY.
VAROITUS: Jotta tämä laite noudattaisi Euroopan CE-vaatimuksia , tämä laite on asennettava CEsertifioituun
tietokoneeseen, joka noudattaa luokan B rajoituksia. Kaikki tämän laitteen liittämiseen käytetyt kaapelit tulee suojata ja maadoittaa eivätkä ne saa olla 3 m pidempiä. Luokan rajoituksia noudattamattoman tietokoneen tai vääränlaisten kaapeleiden käyttäminen voi aiheuttaa häiriöitä muihin laitteisiin tai haitata itse laitteen toimintaa.
MUOKKAUKSET: Muutokset tai muokkaukset, joita Creative Technology Limited tai sen tytäryhtiöt eivät nimenomaisesti ole hyväksyneet, voivat mitätöidä tuotteelle annetun takuun.

## Evropská shoda

Tento výrobek splnuje následující smernice:
Smernice EMC 2004/108/EC.
Smernice RoHS 2011/65/EU.
Výrobky napájené z elektrické zásuvky pro evropský trh splnují smernici o nízkém napetí 2006/95/EC a smernici komise 2009/125/EC o zavádení predpisu.
Komunikacní / vysokofrekvencní bezdrátové výrobky pro evropský trh splnují smernici R&TTE 1999/5/EC.
UPOZORNENÍ: Aby toto zarízení splnovalo evropský požadavek CE, musí být nainstalováno s pocítacovým vybavením s certifikátem CE, které splnuje limity pro zarízení trídy B. Veškeré kabely používané pro pripojení tohoto zarízení musí být stínené, uzemnené a nesmí být delší než 3 metry. Pri používání s necertifikovanými pocítaci nebo nesprávnými kabely muže dojít k rušení jiných zarízení nebo k nežádoucím vlivum na produkt.
ÚPRAVY: Jakékoli zmeny nebo úpravy, které nebyly vyslovene schváleny spolecností Creative Technology Limited nebo nekterou z jejích dceriných spolecností, mohou zpusobit propadnutí záruky uživatele a zárucních práv.

## Zgodnosc z przepisami europejskimi

Urzadzenie jest zgodne z
dyrektywa EMC 2004/108/EC.
Dyrektywa RoHS 2011/65/UE.
Urzadzenia zasilane z sieci elektrycznej przeznaczone na rynek europejski musza byc zgodne z dyrektywa dotyczaca urzadzen niskonapieciowych 2006/95/EC oraz z dyrektywa wdrazajaca komisji regulacyjnej 2009/125/WE.
Urzadzenia komunikacyjne / bezprzewodowe wykorzystujace transmisje radiowa przeznaczone na rynek europejski spelniaja warunki dyrektywy RTTE 1999/5/EC.
UWAGA: Aby uzyskac zgodnosc z wymogami europejskiej normy CE urzadzenie musi byc zainstalowane wraz ze sprzetem komputerowym majacym certyfikat CE z ograniczeniami klasy B. Wszystkie przewody uzywane do podlaczania niniejszego urzadzenia musza byc ekranowane, uziemione i nie dluzsze niz 3 metry. Uzytkowanie z komputerami nie posiadajacymi certyfikatów lub

wykorzystanie niewlasciwych przewodów moze powodowac zaklócenia pracy innych urzadzen lub opisywanego urzadzenia.
MODYFIKACJE: Dokonanie jakichkolwiek zmian lub modyfikacji, na które firma Creative Technology Limited lub spólki z nia stowarzyszone nie udzielaja wyraznej zgody, moze doprowadzic do uniewaznienia praw gwarancji i rekojmi uzytkownika.

## Соответствие европейским нормам

Данное изделие соответствует следующим стандартам:
EMC Директива 2004/108/EC.
RoHS директива 2011/65/EU.
Продукция с питанием от сети, поставляемая на европейский рынок, соответствует Директиве по низковольтному оборудованию 2006/95/EC и Имплементирующей директиве постановления (-й) комиссии 2009/125/EC.
Коммуникационное/радио- беспроводное оборудование, поставляемое на европейский рынок, соответствует Директиве по оконечному радио- и телекоммуникационному оборудованию 1999/5/EC.
**ВНИМАНИЕ**! Для обеспечения соответствия европейским требованиям CE, это устройство должно устанавливаться с компьютерным оборудованием, сертифицированным по стандарту CE и удовлетворяющим нормам класса B. Все кабели, используемые для подключения данного устройства, должны быть экранированы, заземлены и иметь длину не более 3 м. Работа с несертифицированными компьютерами или неподходящими кабелями может привести к возникновению помех другим устройствам или негативному влиянию на работу самого изделия.
**ИЗМЕНЕНИЯ КОНСТРУКЦИИ**Любые изменения конструкции, на которые не было получено прямое разрешение компании Creative Technology Limited или ее дочерней компании, может привести к аннуляции гарантии и связанных с нею прав.

## Európai megfeleloség

Ez a termék megfelel a következoknek:
2004/108/EGK sz., az elektromágneses összeférhetoségre. 2011/65/EU, RoHS.
Az Európa területére szánt hálózati termékek megfelelnek az alacsony feszültségre vonatkozó 2006/95/EC irányelvnek.
Az irányelvet 2009/125/EK végrehajtó bizottsági rendeletek.
Az Európa területére szánt, távközlési, illetve rádiófrekvenciás vezeték nélküli termékek megfelelnek a rádióés távközlo végberendezésekre vonatkozó 1999/5/EK irányelvnek.
FIGYELEM!: Az európai CE követelmények teljesítéséhez ezt a készüléket a B kategóriájú értékeknek megfelelo, CE minosítésu számítógéppel együtt kell telepíteni. A készülék csatlakoztatására használt valamennyi kábelnek árnyékoltnak és földeltnek kell lennie, továbbá hosszúsága nem haladhatja meg a 3 métert. A nem hitelesített számítógépekkel vagy helytelen kábelekkel való használat más készülékek zavarását vagy a termék nem kívánatos befolyásolását okozhatja.
MÓDOSÍTÁS: Minden módosítás vagy változtatás, amit kifejezetten nem hagyott jóvá a Creative Technology Limited vagy valamelyik leányvállalata, érvényteleníthet a készülék garanciáját és felhasználó garanciális jogait.

## Ευρωπαϊκή συμμόρφωση

Το παρόν προϊόν συμμορφώνεται με τα παρακάτω:
Οδηγία ΗΜΣ 2004/108/ΕΚ.
Οδηγία RoHS 2011/65/ΕΕ.
Τα προϊόντα που λειτουργούν με ρεύμα για την ευρωπαϊκή αγορά συμμορφώνονται με την Οδηγία περί χαμηλής τάσης 2006/95/ΕΚ και τους κανονισμούς της επιτροπής που υλοποιούν την οδηγία 2009/125/ΕΚ.
Τα ασύρματα προϊόντα επικοινωνιών / RF για την ευρωπαϊκή αγορά συμμορφώνονται με την οδηγία R&TTE 1999/5/ΕΚ.
**ΠΡΟΣΟΧΗ**: Για τη συμμόρφωση με τις απαιτήσεις του ευρωπαϊκού CE, αυτή η συσκευή θα πρέπει να

εγκατασταθεί σε εξοπλισμό υπολογιστή με πιστοποίηση CE ο οποίος πληροί τα όρια της κατηγορίας B. Όλα τα καλώδια που χρησιμοποιούνται για τη σύνδεση της συσκευής θα πρέπει να είναι θωρακισμένα, γειωμένα και να μην υπερβαίνουν σε μήκος τα 3μ. Η λειτουργία με μη πιστοποιημένους υπολογιστές ή λάθος καλώδια μπορεί να οδηγήσει σε παρεμβολές με άλλες συσκευές ή ανεπιθύμητες επιδράσεις στο προϊόν.
**ΤΡΟΠΟΠΟΙΗΣΗ**: Οι όποιες αλλαγές ή τροποποιήσεις που δεν έχουν εγκριθεί ρητά από την Creative Technology Limited ή κάποια από τις θυγατρικές της ενδέχεται να ακυρώσουν την εγγύηση του χρήστη και τα δικαιώματα που απορρέουν από αυτήν

## Europos Sajungos atitiktis

Šis gaminys atitinka šiuos reikalavimus:
„Elektromagnetines atitikties“ („EMC“) direktyva 2004/108/EC.
RoHS direktyva 2011/65/ES.
Produktai, kurie veikia maitinami iš elektros tinklo, skirti Europos rinkai, atitinka Žemos itampos direktyva 2006/95/EB.
Komisijos reglamentas(-ai) del Direktyvos 2009/125/EB igyvendinimo.
Europos Sajungos rinkai skirti ryšiu / radijo dažniu bevieliai gaminiai atitinka 1999/5/EB direktyva „Del radijo ryšio irenginiu ir telekomunikaciju galiniu irenginiu bei abipusio ju atitikties pripažinimo“.
ATSARGIAI: Tam, kad šis prietaisas atitiktu Europos Sajungos „CE“ reikalavimus, jis turi buti idiegtas i „CE“ sertifikuota kompiuterine iranga, atitinkancia „B“ klases ribas. Visi su šiuo prietaisu naudojami laidai turi buti ekranuoti, ižeminti ir neviršyti 3 m ilgio. Nesertifikuotu kompiuteriu ar netinkamu laidu naudojimas gali tapti trikdžiu kitiems prietaisams arba nepageidaujamu šio gaminio veikimo pasekmiu priežastimi.
MODIFIKAVIMAS: Bet kokie pakeitimai ar modifikavimai neturint aiškiai patvirtinto „Creative Technology Limited“ ar vienos iš su ja susijusiu bendroviu leidimo gali panaikinti vartotojo garantija ir garantijos teises.

## Dodržiavanie predpisov Európskej únie

Tento výrobok splna nasledujúce normy:
Smernica EMC 2004/108/ES.
Smernica RoHS 2011/65/EÚ.
Výrobky napájané zo siete urcené na európsky trh sú v súlade so smernicou o harmonizácii právnych predpisov clenských štátov týkajúcich sa elektrického zariadenia urceného na používanie v rámci urcitých limitov napätia 2006/95/ES a s nariadeniami Komisie, ktorými sa vykonáva smernica 2009/125/ES.
Bezdrôtové komunikacné/RF výrobky urcené na európsky trh sú v súlade so smernicou R&TTE 1999/5/ES.
VAROVANIE: Toto zariadenie musí byt' nainštalované s pocítacovým zariadením s certifikáciou CE, ktoré splna limity triedy B, aby bolo v súlade s európskymi požiadavkami CE.
Všetky káble použité na pripojenie tohto zariadenia musia byt' tienené, uzemnené a nie dlhšie ako 3 m.
Prevádzka pomocou necertifikovaných pocítacov alebo nesprávnych káblov môže mat' za následok rušenie iných zariadení alebo nežiaduce úcinky na výrobok.
ÚPRAVY: Akékolvek zmeny alebo úpravy, ktoré neboli výslovne odsúhlasené spolocnost'ou Creative Technology Limited alebo jednou z jej sesterských spolocností, môžu zrušit' platnost' záruky a zárucných práv používatela.

## Avrupa Uyumu

Bu ürün asagidakilere uygundur:
2004/108/EC EMC (Elektromanyetik Uyumluluk) Yönetmeligi.
2011/65/EC RoHS (Tehlikeli Maddelerin Kisitlanmasi) Yönetmeligi
Avrupa piyasasina yönelik, elektrik sebekesi tarafindan çalistirilan ürünler 2006/95/EC Alçak Gerilim Yönetmeligi (LVD) ve 2009/125/EC Enerji ile Ilgili Ürünlerin Çevreye Duyarli Tasarimina Iliskin

Yönetmelige uygundur.
Avrupa piyasasina yönelik Iletisim / RF kablosuz ürünleri Yönetmelik R&TTE 1999/5/EC ile uyumludur.
DIKKAT: Avrupa CE gereksinimleriyle uyumlu olmasi için bu cihazin, B Sinifi sinirlarina uygun olan CE sertifikali bilgisayar donanimlari ile birlikte kurulmasi gerekir. Bu cihazi baglamak için kullanilan tüm kablolarin koruyuculu ve topraklanmis olmasi ve 3 metreden uzun olmamasi gerekir. Sertifikali olmayan bilgisayarlarla veya yanlis kablolarla birlikte kullanilmasi, diger cihazlarin düzgün çalismamasina veya üründe istenmeyen etkiler görülmesine neden olabilir.
DEGISIKLIKLER: Creative Technology Limited veya bagli sirketlerinden biri tarafindan açikça onaylanmamis tüm degisiklikler kullanicinin garanti ve teminat haklarini geçersiz kilabilir.

## Ukraine RoHS Statement

Обладнання відповідає вимогам Технічного регламенту щодо обмеження використання деяких небезпечних речовин в електричному та електронному обладнанні, затвердженого постановою Кабінету Міністрів України від 3 грудня 2008 № 1057

## Notice for Korea

**B 급 기 기**
( 가정용방송통신기자재 )
이기기는가정용 (B 급 ) 전자파적합기기로서주로가정에서사용하는것을옥적으로하며 , 모든지역에서사용할수있습니다 .

## Vietnam RoHS Statement

This product is in compliance with Circular 30/2011/TTBCT of the Ministry of Trade of the Socialist Republic of Vietnam ("Circular"), it does not contain the following substances in concentration greater than the Maximum Limit value as specified in the Circular.

| Substance | Maximum Limit (ppm)[1,2] |
|---|---|
| lead | 1000 |
| mercury | 1000 |
| cadmium | 100 |
| hexavalent chromium | 1000 |
| polybrominated biphenyls (PBB) | 1000 |
| polybrominated diphenyl ethers (PBDE) | 1000 |

[1] Maximum Limit does not apply to applications exempted from the Circular.
[2] Maximum Limit refers to concentration by weight in homogeneous materials.

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